

Application

- Constant voltage regulation
- Reference voltage application

Features

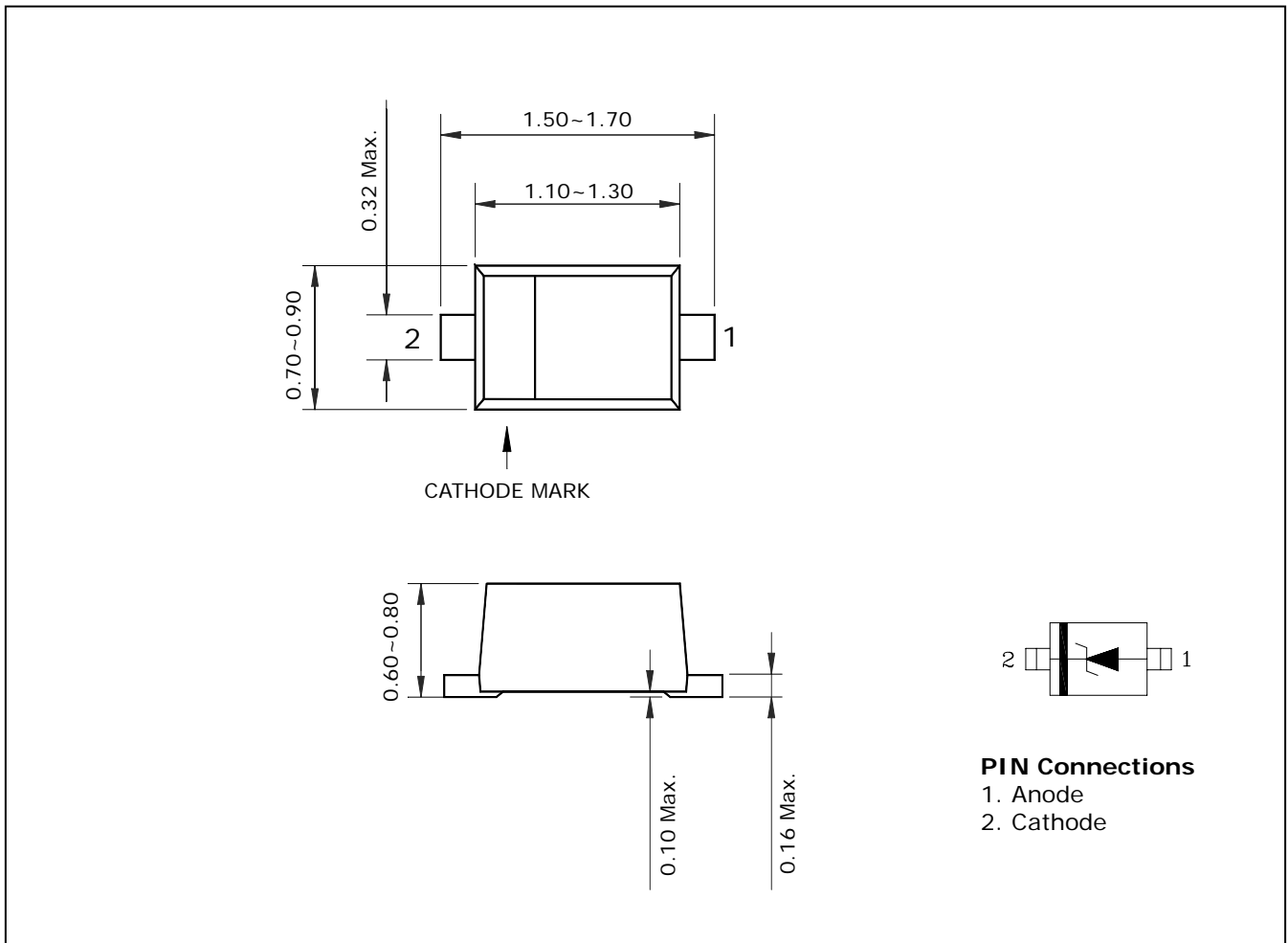
- Small and compact SMD package used SOD523
- Zener voltage VZ= 3V type

Ordering Information

Type NO.	Marking	Package Code
SDZ3V0Q	W8	SOD-523

Outline Dimensions

unit : mm



Absolute Maximum Ratings

(Ta=25°C)

Characteristic	Symbol	Rating	Unit
Power dissipation	P_D	120	mW
Junction temperature	T_J	150	°C
Storage temperature range	T_{STG}	-55 ~ +150	°C

Electrical Characteristics

(Ta=25°C)

Characteristic	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Zener voltage	V_Z	$I_Z=5\text{mA}$	2.85	-	3.15	V
Reverse current	I_R	$V_R=1\text{V}$	-	-	50	μA
Dynamic impedance	Z_{ZT}	$I_Z=5\text{mA}$	-	-	95	Ω
KNEE dynamic impedance	Z_{ZK}	$I_Z=0.25\text{mA}$	-	-	2000	Ω

※ Recommend PCB solder land (Unit : mm)

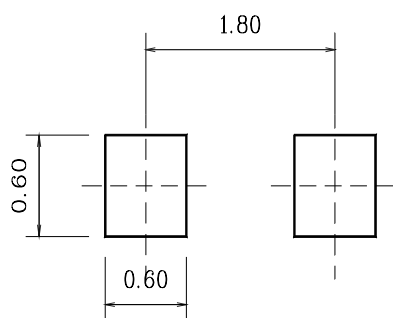
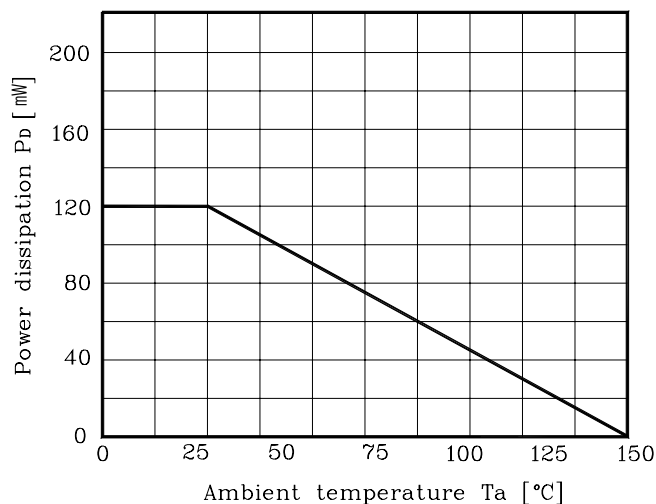
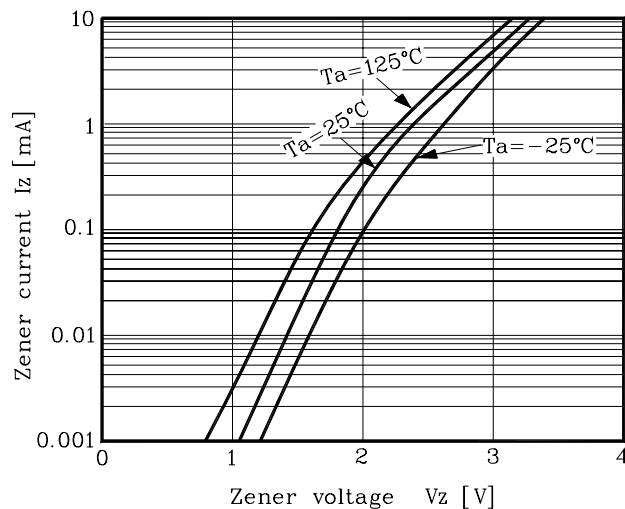
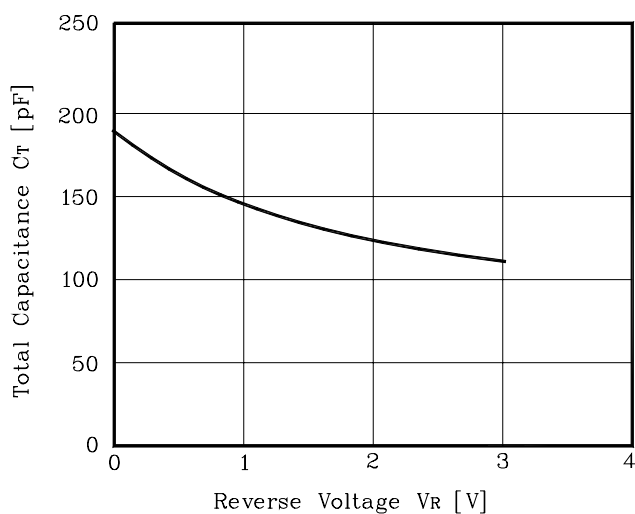


Fig. 1 P_D - T_a Fig. 2 I_Z - V_Z Fig. 3 C_T - V_R 

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